# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

### BYATARAYANAPURA DIVISION

**Kodigehalli Sub division**

**Name of work:- Constructing of additional Ist floor (Ambedkar bhavan) in ward no. 07, Byatarayanapura, Kodigehalli sub division.**

**Est Cost: Rs. 25.00 Lakhs**

## BRUHAT BANGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

**Name of work:** Constructing of additional Ist floor (Ambedkar bhavan) in ward no. 07, Byatarayanapura, Kodigehalli sub division.

| | | | | | | | | Estimate Cost Rs. | 2500000.00 |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
| 1 | KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 **PWD SR 2013-14 Page Nol. 5/ Item No.2.4** | cum | | | | | | | |
| | **for toilet** | pille | 12 | 1.00 | 1.00 | 1.20 | 14.40 | | |
| | | | 2 | 18.00 | 0.75 | 0.75 | 20.25 | | |
| | | | 3 | 3.00 | 0.75 | 0.75 | 5.06 | | |
| | | | 2 | 4.10 | 0.60 | 0.60 | 2.95 | | |
| | | | 4 | 1.50 | 0.60 | 0.60 | 2.16 | | |
| | | | | | | | **44.82** | | |
| | **Deduction piller** | | 8 | 1.50 | 0.75 | 0.75 | 6.75 | | |
| | | | | | | | **38.07** | 223.66 | **8515.74** |
| | Basic Rate | 211.00 | | | | | | | |
| | Area Weightage @ 6% | 12.66 | | | | | | | |
| | **Total** | **223.66** | | | | | | | |
| 2 | KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2013-14** | **cum** | | | | | | | |
| | **piller** | | 12 | 1.00 | 1.00 | 0.20 | 2.40 | | |
| | | | 2 | 18.00 | 0.75 | 0.20 | 5.40 | | |
| | | | 3 | 3.00 | 0.75 | 0.20 | 1.35 | | |
| | | | 2 | 4.10 | 0.60 | 0.20 | 0.98 | | |
| | | | 4 | 1.50 | 0.60 | 0.20 | 0.72 | | |
| | | | | | | | **10.85** | | |
| | **Deduction piller** | | 8 | 0.75 | 0.75 | 0.20 | 0.90 | | |
| | | | | | | | **9.95** | 4211.38 | **41920.08** |
| | Basic Rate | 3973.00 | | | | | | | |
| | Area Weightage @ 6% | 238.38 | | | | | | | |
| | Total | **4211.38** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 3 | KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.17) | cum | | | | | | | |
| | RCC colum | | | | | | | | |
| | RCC Matt | | 12 | 1.50 | 1.50 | 0.75 | 20.25 | | |
| | | | 12 | 0.80 | 0.80 | 0.75 | 5.76 | | |
| | Up to plinth | | 12 | 0.23 | 18.00 | 0.75 | 37.26 | | |
| | up to roof | | 12 | 0.23 | 0.23 | 3.60 | 2.29 | | |
| | Basic Rate | 4539.00 | | | | | **65.56** | 5150.54 | **337645.09** |
| | Add Diffrence in cost of cement 8.00x40.00= | 320.00 | | | | | | | |
| | | 4859.00 | | | | | | | |
| | Area Weightage @ 6% | 291.54 | | | | | | | |
| | **Total** | **5150.54** | | | | | | | |
| 4 | KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6** | cum | | | | | | | |
| | | | 2 | 18.00 | 0.60 | 0.60 | 12.96 | | |
| | | | 3 | 3.00 | 0.60 | 0.80 | 4.32 | | |
| | | | 2 | 4.10 | 0.45 | 0.60 | 2.21 | | |
| | | | 4 | 1.50 | 0.30 | 0.30 | 0.54 | | |
| | | | | | | | **20.03** | | |
| | Deduction piller | | 8 | 0.45 | 0.23 | 0.50 | 0.41 | | |
| | | | | | | | **19.62** | 3484.22 | **68360.40** |
| | Basic Rate | 3287.00 | | | | | | | |
| | Area Weightage @ 6% | 197.22 | | | | | | | |
| | Total | **3484.22** | | | | | | | |
| 5 | KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14** | cum | | | | | | | |
| | | | 2 | 18.00 | 0.45 | 0.45 | 7.29 | | |
| | | | 3 | 3.00 | 0.45 | 0.45 | 1.82 | | |
| | | | 2 | 4.10 | 0.45 | 0.45 | 1.66 | | |
| | | | 4 | 1.20 | 0.30 | 0.30 | 0.43 | | |
| | | | | | | | **11.21** | | |
| | Deduction | | 8 | 0.45 | 0.23 | 0.45 | 0.37 | | |
| | | | | | | | **10.83** | 4148.84 | **44941.89** |
| | Basic Rate | 3914.00 | | | | | | | |
| | Area Weightage @ 6% | 234.84 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Total | **4148.84** | | | | | | | |
| | | | | | | | | | |
| 6 | KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2011-12** | **cum** | | | | | | | |
| | | | 2 | 18.00 | 0.45 | 0.15 | 2.43 | | |
| | | | 3 | 3.00 | 0.45 | 0.10 | 0.41 | | |
| | | | 2 | 4.10 | 0.45 | 0.10 | 0.37 | | |
| | | | 4 | 1.50 | 0.40 | 0.10 | 0.24 | | |
| | | | | | | | **3.44** | 4164.74 | **14343.36** |
| | Basic Rate | 3929.00 | | | | | | | |
| | Area Weightage @ 6% | 235.74 | | | | | | | |
| | Total | **4164.74** | | | | | | | |
| | | | | | | | | | |
| 7 | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 **(Page No .6 / Item No. 2.10) PWD SR 2013-14** | **cum** | | | | | | | |
| | | | 1 | 18.00 | 3.14 | 0.45 | **25.43** | 99.64 | **2534.24** |
| | | | | | | | | | |
| | Basic Rate | 94.00 | | | | | | | |
| | Area Weightage @ 6% | 5.64 | | | | | | | |
| | Total | **99.64** | | | | | | | |
| | | | | | | | | | |
| 8 | KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P27/5.27) | **Sqm** | | | | | | | |
| | | | 2 | 18.00 | 3.60 | | 129.60 | | |
| | | | 3 | 3.00 | 3.60 | | 32.40 | | |
| | **Deduction D1** | | 2 | 1.00 | 2.20 | | 4.40 | | |
| | **Deduction D2** | | 1 | 1.20 | 2.20 | | 2.64 | | |
| | **W** | | 2 | 1.00 | 2.20 | | 4.40 | | |
| | **W1** | | 3 | 1.50 | 1.20 | | 5.40 | | |
| | **V** | | 6 | 0.75 | 0.60 | | 2.70 | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | **181.54** | 913.72 | **165876.73** |
| | Basic Rate | 856.00 | | | | | | | |
| | Add Diffrence in cost of cement 0.15x40.00= | 6.00 | | | | | | | |
| | | **862.00** | | | | | | | |
| | Area Weightage @ 6% | 51.72 | | | | | | | |
| | **Total** | **913.72** | | | | | | | |
| | | | | | | | | | |
| 9 | KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27/ PWD SR 2011-12** | **sqm** | | | | | | | |
| | **Toilet room** | | 2 | 4.10 | 2.20 | | 18.04 | | |
| | | | 4 | 1.50 | 2.20 | | 13.20 | | |
| | | | | | | | **31.24** | | |
| | **Dedution D2** | | 6 | 0.75 | 2.20 | | 9.90 | | |
| | | | | | | | **21.34** | | |
| | | | | | | | **52.58** | | |
| | **first floor** | | 1 | 31.66 | 3.00 | | 94.98 | | |
| | | | 1 | 31.66 | 0.75 | | 23.745 | | |
| | | | | | | | **118.725** | | |
| | **Deduction** | | 10 | 1.00 | 1.20 | | 12.00 | | |
| | | | 8 | 0.45 | 3.00 | | 10.80 | | |
| | | | | | | | **22.80** | | |
| | | | | | | | **95.93** | | |
| | | | | | | | **148.51** | 808.78 | **120107.87** |
| | Basic Rate | 757.00 | | | | | | | |
| | Add Diffrence in cost of cement 0.15x40.00= | 6.00 | | | | | | | |
| | | **763.00** | | | | | | | |
| | Area Weightage @ 6% | 45.78 | | | | | | | |
| | **Total** | **808.78** | | | | | | | |
| | | | | | | | | | |
| 10 | KSRB 4.2.3 : Providing and laying in position **reinforced cement concrete of design mix M15 with OPC cement @ 240 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13 / Item No. 4.12 / PWD SR 2013-14** | **cum** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Toilet room RCC lintal** | | 2 | 18.00 | 0.20 | 0.15 | 1.08 | | |
| | | | 3 | 3.00 | 0.20 | 0.15 | 0.27 | | |
| | | | 2 | 4.10 | 0.10 | 0.15 | 0.12 | | |
| | | | 4 | 1.50 | 0.10 | 0.15 | 0.09 | | |
| | | | 1 | 19.00 | 0.20 | 0.10 | 0.38 | | |
| | | | 4 | 3.00 | 0.20 | 0.10 | 0.24 | | |
| | **Rcc slab** | | 1 | 18.00 | 3.40 | 0.15 | 9.18 | | |
| | | | | | | | | | |
| | **First floor RCC lintal** | | 1 | 31.66 | 0.23 | 0.15 | 1.09 | | |
| | **First floor Rcc slab** | | 1 | 8.50 | 7.90 | 0.15 | 10.07 | | |
| | | | | | | | **22.53** | 4777.42 | **107625.00** |
| | Basic Rate | 4507.00 | | | | | | | |
| | Area Weightage @ 6% | 270.42 | | | | | | | |
| | Total | **4777.42** | | | | | | | |
| | | | | | | | | | |
| 11 | KSRB 4.2.8 : Providing and laying in position **reinforced cement concrete of design M20 with OPC cement @ 320 Kgs with 20 mm** and down size graded granite metal course aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisier @ 3 lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.6 **Page No. 15 / Item No. 4.17 / PWD SR 2011-12** | **cum** | | | | | | | |
| | **Toilet** | | | | | | | | |
| | **RCC beam** | | 2 | 18.00 | 0.30 | 0.45 | 4.86 | | |
| | | | 4 | 3.00 | 0.30 | 0.45 | 1.62 | | |
| | **RCC column** | | 12 | 0.23 | 0.23 | 3.80 | 2.41 | | |
| | **Ist Floor** | | | | | | | | |
| | **RCC Beam** | | 4 | 8.50 | 0.30 | 0.45 | 4.59 | | |
| | | | 2 | 7.90 | 0.30 | 0.45 | 2.13 | | |
| | **RCC Column** | | 8 | 0.45 | 0.23 | 3.00 | 2.48 | | |
| | | | | | | | **18.10** | 5535.32 | **100185.00** |
| | Basic Rate | 5222.00 | | | | | | | |
| | Area Weightage @ 6% | 313.32 | | | | | | | |
| | Total | **5535.32** | | | | | | | |
| | | | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 12 | KSRB 4.2.11 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 27.20kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5865 cum and fine aggregates @ 0.225 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 15 / Item No. 4.20 / PWD SR 2013-14** | sqm | | | | | | | |
| | **Toilet** | | | | | | | | |
| | Chajja | | 1 | 18.00 | 0.75 | | **13.50** | | |
| | **Ist Floor** | | 10 | 1.50 | 0.75 | | **11.25** | | |
| | | | | | | | **24.75** | 457.92 | **11333.52** |
| | Basic Rate | 432.00 | | | | | | | |
| | Area Weightage @ 6% | 25.92 | | | | | | | |
| | Total | **457.92** | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 13 | KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 | Qntl | | | | | | | |
| | **Toilet** | | 1.20 | 18.10 | | | 21.72 | | |
| | | | 1.40 | 24.75 | | | 34.65 | | |
| | | | | | | | **56.37** | 7312.94 | **412224.00** |
| | Basic Rate | 6899.00 | | | | | | | |
| | Area Weightage @ 6% | 413.94 | | | | | | | |
| | Total | **7312.94** | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 14 | KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs** landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **(P.16 / I.4.29) PWD SR 2013-14** | Sqm | | | | | | | |
| | **Toilet** | | | | | | | | |
| | column | | 12 | 0.23 | 3.00 | | 8.28 | | |
| | **RCC column** | | 12 | 0.92 | 3.80 | | 41.95 | | |
| | **Beam** | | 2 | 18.00 | 0.60 | | 21.60 | | |
| | | | 3 | 3.00 | 0.60 | | 5.40 | | |
| | **Lintal** | | 2 | 18.00 | 0.50 | | 18.00 | | |
| | | | 3 | 3.00 | 0.50 | | 4.50 | | |
| | **Plinth beam** | | 2 | 18.00 | 0.30 | | 10.80 | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | 3 | 3.00 | 0.30 | | 2.70 | | |
| | | | 2 | 4.10 | 0.20 | | 1.64 | | |
| | **Slab** | | 1 | 18.00 | 3.40 | | 61.20 | | |
| | **chajja** | | 2 | 1.50 | 0.75 | | 2.25 | | |
| | **Ist Floor** | | | | | | | | |
| | **RCC column** | | 8 | 1.36 | 3.00 | | 32.64 | | |
| | **RCC lintle** | | 2 | 31.66 | 0.20 | | 12.66 | | |
| | **RCC chajja** | | 10 | 1.50 | 1.00 | | 15.00 | | |
| | | | 1 | 8.40 | 0.75 | | 6.30 | | |
| | | | 1 | 8.50 | 7.90 | | 67.15 | | |
| | **Rcc Roof** | | **2** | **8.5** | **0.2** | | 3.40 | | |
| | | | **2** | **7.9** | **0.2** | | 3.16 | | |
| | **RCC Beam** | | **4** | **8.5** | **0.83** | | 28.22 | | |
| | | | **2** | **7.9** | **0.83** | | 13.11 | | |
| | | | | | | | **359.97** | 284.08 | **102260.00** |
| | Basic Rate | 268.00 | | | | | | | |
| | Area Weightage @ 6% | 16.08 | | | | | | | |
| | **Total** | **284.08** | | | | | | | |
| | | | | | | | | | |
| 15 | KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 123 / Item No. 15.21 / PWD SR -2013-14** | Sqm | | | | | | | |
| | **Toilet** | | 1 | 18.00 | 3.20 | | 57.60 | | |
| | **1st Floor slab** | | 1 | 8.10 | 7.80 | | 63.18 | | |
| | **beam** | | 4 | 8.10 | 0.30 | | 9.72 | | |
| | | | | | | | **130.50** | 163.24 | **21303.00** |
| | Basic Rate | 154.00 | | | | | | | |
| | Area Weightage @ 6% | 9.24 | | | | | | | |
| | Total | **163.24** | | | | | | | |
| | | | | | | | | | |
| 16 | KSRB 15-3.7:- Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 98/ Item No. 15.15 / PWD SR 2010-11** | | | | | | | | |
| | **Toilet For walls** | | | | | | | | |
| | inside | | 2 | 18.00 | 3.00 | | 108.00 | | |
| | | | 5 | 3.00 | 3.00 | | 45.00 | | |
| | | | 4 | 4.50 | 2.20 | | 39.60 | | |
| | | | 8 | 1.50 | 2.20 | | 26.40 | | |
| | | | | | | | **219.00** | | |
| | Deduction D2 | | 6 | 0.75 | 2.20 | | 9.90 | | |
| | **1st Floor** | | | | | | | | |
| | inside | | 2 | 8.10 | 3.00 | | 48.60 | | |
| | | | 2 | 7.50 | 3.00 | | 45.00 | | |
| | | | | | | | **103.50** | | |
| | | | | | | | **322.50** | 209.88 | **67686.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 198.00 | | | | | | | |
| | Area Weightage @ 6% | 11.88 | | | | | | | |
| | Total | **209.88** | | | | | | | |
| | | | | | | | | | |
| 17 | KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 123 / Item No.** | Sqm | | | | | | | |
| | **Toilet Out Side** | | 2 | 18.00 | | 5.00 | 180.00 | | |
| | | | 1 | 3.40 | | 5.00 | 17.00 | | |
| | | | | | | | **197.00** | | |
| | Deductions - For door opening | | 3 | 1.00 | | 2.20 | 1.10 | | |
| | Windows | | 5 | 1.00 | | 1.20 | 3.60 | | |
| | Ventialtor | | 6 | 0.75 | | 0.60 | 1.35 | | |
| | | | | | | | **6.05** | | |
| | | | | | | | **190.95** | | |
| | **1st Floor** | | 2 | 8.50 | | 4.88 | 20.74 | | |
| | | | 2 | 7.90 | | 4.88 | 19.28 | | |
| | | | | | | | **40.02** | | |
| | | | 10 | 1.00 | | 1.20 | 0.60 | | |
| | | | | | | | **39.42** | | |
| | | | | | | | **230.37** | 165.36 | **38093.32** |
| | Basic Rate | 156.00 | | | | | | | |
| | Area Weightage @ 6% | 9.36 | | | | | | | |
| | Total | **165.36** | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 18 | KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 124 / I. 15.33 PWD SR - 2013-14** | Sqm | | | | | | | |
| | | | Qty Vide Item No. 13+14 | | | | **453.00** | 19.08 | **8643.00** |
| | Basic Rate | 18.00 | | | | | | | |
| | Area Weightage @ 6% | 1.08 | | | | | | | |
| | Total | **19.08** | | | | | | | |
| | | | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 19 | Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, | Sqm | | | | | | | |
| | D | | 1 | 1.20 | | 2.20 | 2.64 | | |
| | D1 | | 2 | 1.00 | | 2.20 | 4.40 | | |
| | | | | | | | **7.04** | 3710.00 | **26118.00** |
| | Basic Rate | 3500.00 | | | | | | | |
| | Area Weightage @ 6% | 210.00 | | | | | | | |
| | Total | **3710.00** | | | | | | | |
| 20 | KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick bottom section weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg/m, shutter outer side 40mmx18mm, 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; and providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading aluminium section anodised 12 to 15 microns, including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with | Sqm | | | | | | | |
| | **Toilet** W | | 3 | 1.50 | | 1.20 | 5.40 | | |
| | W1 | | 2 | 1.00 | | 1.20 | 2.40 | | |
| | V | | 6 | 0.75 | | 0.60 | 2.70 | | |
| | **Ist floor** | | 10 | 1.20 | | 1.20 | 14.40 | | |
| | | | | | | | **24.90** | 3726.96 | **92801.00** |
| | Basic Rate | 3516.00 | | | | | | | |
| | Area Weightage @ 6% | 210.96 | | | | | | | |
| | Total | **3726.96** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 21 | Supply and fixing of door shutters made of rigid PVC extruded hollow section (Nandi or equivalent) of 20mmx200mm with the wall thickness of 1.0mm +/0.1mm equally divided into 4no`s with tongue and groove locking arrangement The shutter frame is made of 58x24mm with the wall thickness of 1.5mm+/-0.15mm section metricut and joined at 4 corners with 125mmx225mm plastic brackets. The shutter shall be horizontally reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter." **Page No. 51/ Item No. 9.86/ PWD SR 2013-14** | | | | | | | | |
| | PVC door | | 6 | 0.75 | | 2.20 | 9.90 | | |
| | | | | | | | **9.90** | 1860.30 | **18417.00** |
| | Basic Rate | 1755.00 | | | | | | | |
| | Area Weightage @ 6% | 105.30 | | | | | | | |
| | Total | **1860.30** | | | | | | | |
| | | | | | | | | | |
| 22 | KSRB 8.3-2 Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, blots and nits 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications **Page No. 41/ Item No. 8.6/ PWD SR 2010-11** | **Sqm** | | | | | | | |
| | | | 1 | 18.00 | | 4.00 | 72.00 | 397.50 | **28620.00** |
| | | | | | | | | | |
| | Basic Rate | 375.00 | | | | | | | |
| | Area Weightage @ 6% | 22.50 | | | | | | | |
| | Total | **397.50** | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 23 | KSRB 14.14-5: providing Ceramic tiles of size 30 x 30Cms approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. **Page No. 93/ Item No. 14.36 / PWD SR 2013-14** | **Sqm** | | | | | | | |
| | Toilte | | 1 | 18.00 | 6.50 | | 117.00 | | |
| | Ist Floor | | 1 | 8.10 | 7.10 | | 57.51 | | |
| | | | | | | | **174.51** | 933.86 | **162967.91** |
| | Basic Rate | 881.00 | | | | | | | |
| | Area Weightage @ 6% | 52.86 | | | | | | | |
| | Total | **933.86** | | | | | | | |
| | | | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 24 | Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. **Page No. 93/ Item No. 14.43 / PWD SR 2013-14** | **Sqm** | | | | | | | |
| | **Toilet** | | 6 | 4.70 | 2.20 | | **62.04** | 933.86 | **57936.67** |
| | | | | | | | | | |
| | Basic Rate | 881.00 | | | | | | | |
| | Area Weightage @ 6% | 52.86 | | | | | | | |
| | Total | **933.86** | | | | | | | |
| 25 | KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 Specification No. KBS 11 **Page No. 79 / Item No. 12.5 PWD SR 2013-14** | Each | | | | | | | |
| | | | 4 | | | | **4** | 5148.42 | **20594.00** |
| | Basic Rate | 4857.00 | | | | | | | |
| | Area Weightage @ 6% | 291.42 | | | | | | | |
| | Total | **5148.42** | | | | | | | |
| | | | | | | | | | |
| 26 | KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 10 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 68/ Item No. 12.7 PWD SR 2010-11** | **Unit** | | | | | | | |
| | | | 2 | | | | **2.00** | 6700.26 | **13401** |
| | Basic Rate | 6321.00 | | | | | | | |
| | Area Weightage @ 6% | 379.26 | | | | | | | |
| | Total | **6700.26** | | | | | | | |
| | | | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 27 | KSRB 15.15.2: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. **with Primer Page No.126/ Item No. 15.51.2 / PWD SR 2013-14** | Sqm | | | | | | | |
| | | | | Qty Vide Item No.16 | | | **322.50** | 79.50 | **25639.00** |
| | Basic Rate | 75.00 | | | | | | | |
| | Area Weightage @ 6% | 4.50 | | | | | | | |
| | Total | **79.50** | | | | | | | |
| | | | | | | | | | |
| 28 | KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. **Page No.126/ Item No. 15.51.1 / PWD SR 2013-14** | Sqm | | | | | | | |
| | | | | Qty Vide Item No.16 | | | **230.37** | 63.07 | **14529.00** |
| | Basic Rate | 59.50 | | | | | | | |
| | Area Weightage @ 6% | 3.57 | | | | | | | |
| | Total | **63.07** | | | | | | | |
| | | | | | | | | | |
| 29 | KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. **Page No. 130/ Item No. 15.74/ PWD SR - 2010-11** | | | | | | | | |
| | Qty Vide Item No.19+20 | | 2.25 | **31.94** | | | **71.87** | 76.32 | **2438.00** |
| | Basic Rate | 72.00 | | | | | | | |
| | Area Weightage @ 6% | 4.32 | | | | | | | |
| | Total | **76.32** | | | | | | | |
| | | | | | | | | | |
| 30 | KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. **Page No. 52/ Item No. 8.18 / PWD SR 2013-14** | m | | | | | | | |
| | | | 6 | 10.00 | | | **60.00** | 447.32 | **26839.00** |
| | Basic Rate | 422.00 | | | | | | | |
| | Area Weightage @ 6% | 25.32 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Total** | **447.32** | | | | | | | |
| | | | | | | | | | |
| | **PART - 3 ELECTRICAL AND FITTINGS** | | | | | | | | |
| 31 | **Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary KPWD SR 2010-11 (P-2,I-3) | Mtrs | | | | | | | |
| | 32 mm dia 2.5mm thick | | 1 | 80.00 | | | **80.00** | 68.00 | **5440.00** |
| 32 | Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. KPWD SR 2010-11 (P-3, I-6) | Each | | | | | | | |
| | 10"X7"X3" (300X228X76mm) | | 4 | | | | **4** | 68.00 | **272.00** |
| | 8"X6"X3" (300X228X76mm) | | 4 | | | | **4** | 52.00 | **208.00** |
| 33 | Supplying and fixing PVC/metal conduit accessories special type Junction Box (I. 5/P. 3) KPWD SR 2010-11 | Each | | | | | | | |
| | 32 mm Junction Box | | 15 | | | | **15** | 29.00 | **435.00** |
| | Deep 32 mm Junction Box | | 8 | | | | **8** | 33.00 | **264.00** |
| | Fan Box 18 /SWG | | 8 | | | | **8** | 57.00 | **456.00** |
| 34 | Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet KPWD SR 2010-11 (P.3/I.8) | Each | | | | | | | |
| | Point Wiring using Class A Materials | | | | | | | | |
| | a) Short point upto 3Mtr from tapping point to out let via switch | | 8 | | | | 8.00 | 175.00 | **1400.00** |
| | b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch | | 8 | | | | 8.00 | 260.00 | **2080.00** |
| | C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch | | 4 | | | | 4.00 | 368.00 | **1472.00** |
| 35 | Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box KPWD SR 2010-11 (P-7, I- | Each | | | | | | | |
| | 1 to 3 Modular | | 6 | | | | **6** | 82.00 | **492.00** |
| | 8 Modular | | 4 | | | | **4** | 175.00 | **700.00** |
| 36 | Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 | Each | | | | | | | |
| | 6Amps one way. | | 25 | | | | **25** | 96.00 | **2400.00** |
| | 6Amps 3way Socket. | | 6 | | | | **6** | 165.00 | **990.00** |
| | Stepped Fan Regulator | | 6 | | | | **6** | 520.00 | **3120.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 37 | Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube KPWD SR 2010-11 (P.16/I.2) | | | | | | | | |
| | Group 'A' | Each | 6 | | | | **6** | 380.00 | **2280.00** |
| 38 | Supplying of Incandescent lamps KPWD SR 2010-11 (P.44/I.22) | | | | | | | | |
| | **B.C. 100Watts** | | 6 | | | | **6** | 14.00 | **84.00** |
| 39 | Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2010-11 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, | Each | | | | | | | |
| | 56" Sweep (1400 mm) | | 4 | | | | **4** | 1950.00 | **7800.00** |
| 40 | Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box KPWD SR 2010-11 (P.9/I.19) | Each | | | | | | | |
| | Group A | | 1 | | | | **1** | 630.00 | **630.00** |
| 41 | Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps KPWD SR 2010-11 (P-13, I.2) | No | | | | | | | |
| | | | 1 | | | | **1** | 60.00 | **60.00** |
| 42 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required 5-32 Amps SP KPWD SR 2010-11 (P.24/I.12) | Each | | | | | | | |
| | | | 1 | | | | **1** | 560.00 | **560.00** |
| 43 | Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc KPWD SR 2010-11 (P,32/I.2) | | | | | | | | |
| | 20"x20"x2.5" | | 1 | | | | **1** | 285.00 | **285.00** |
| 44 | Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete KPWD SR 2010-11 (P.33/I.3) | | | | | | | | |
| | 32 Amps | | 1 | | | | **1** | 100.00 | **100.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 45 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit.. The pit should be filled with equal proprotion of salt and charcol 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3 of Is 732 using 12mm dia nuts, washers and checknuts etc the pipe shall have 16 through holes of 122 | No | 1 | | | | 1 | 1950.00 | 1950.00 |
| 46 | INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, one at each end of the span wit suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes (single core or twin core as the case may be) and this reel insulator shall be fixed to the messanger wire using 2mm (No. 14SWG) GI wire suitably bent and twisted. Separate reel insulated shall be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide item No. 4 above (Page No. 56 Item No. 5a) KPWD SR 2010-11 Item No. 65 / Page No. 5 c) | | | | | | | | |
| | c) 6 Sqmm | Mtr | 2 | 5.00 | | | 10.00 | 45.00 | 450.00 |
| 47 | KRIDL CHARGES 11% | | | | | | | | 275000.00 |
| 48 | Third party inspection charges 1% | | | | | | | | 25000.00 |
| 49 | Miscelleneous & Rounding off | | | | | | | | 2173.64 |
| | | | | | | | | Total | 2500000.00 |

(Rupees Twenty Five Lakhs Only )

ADMINISTRATIVELY SANCTIONED FOR Rs. 25.00 lacs
Rupees Twenty five lacs Only
Under
Registered as EE ( ) No 9
Subject to conditions contained in
enclosed memo EE ( ) No
Dt Estimate Sanctioned
Add Com (Yz) No AS/870/13-14
dated 13-2-2014 Rs 25.00 lacs
Add Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction for Rs. 25.00 Lakhs
Twenty five lakhs only
Under P2178
Registered as EE No: / Subject
to conditions contained enclosed memo.
No: SE/YNK/283/13-14, 22/2/14.
AE/JE
EE (BTR) Div.

**CERTIFICATE :**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR 2013-14 & KPWD SR 2011-12.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

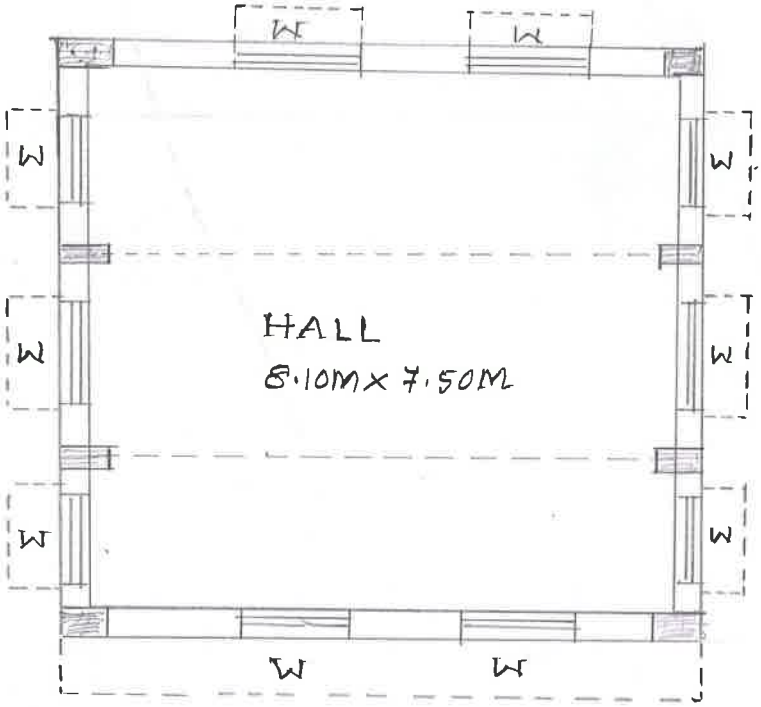
Junior Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehallli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

NAME OF WORKS PROPOSED CONSTRUC[redacted]OF FIRST FLOOR PLAN IN BYATARAYANA P[redacted]BEDKI AR. BHAVAN. WARD NO 7.

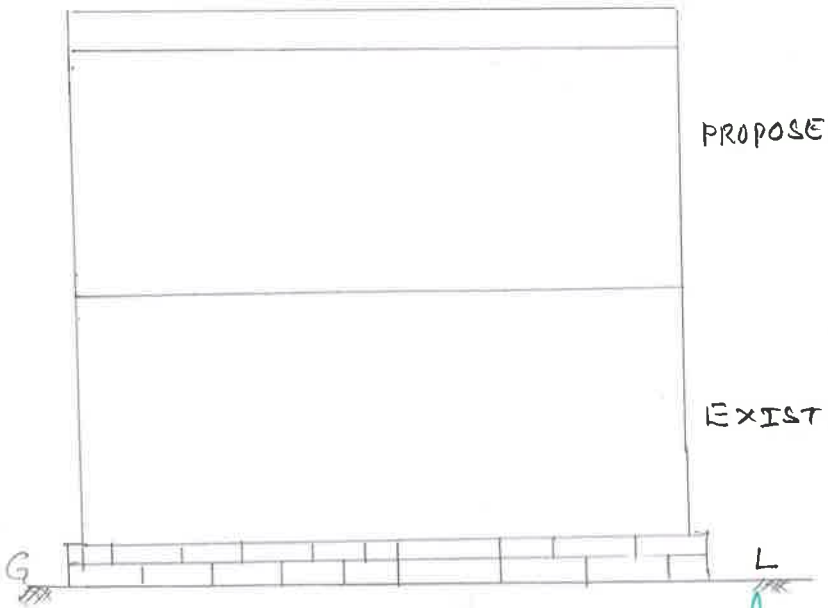
SCALE 1:1




PROPOSED F.F. PLAN.

INDEX

W-WINDOWS-10 NO.
1.0x1.20M.

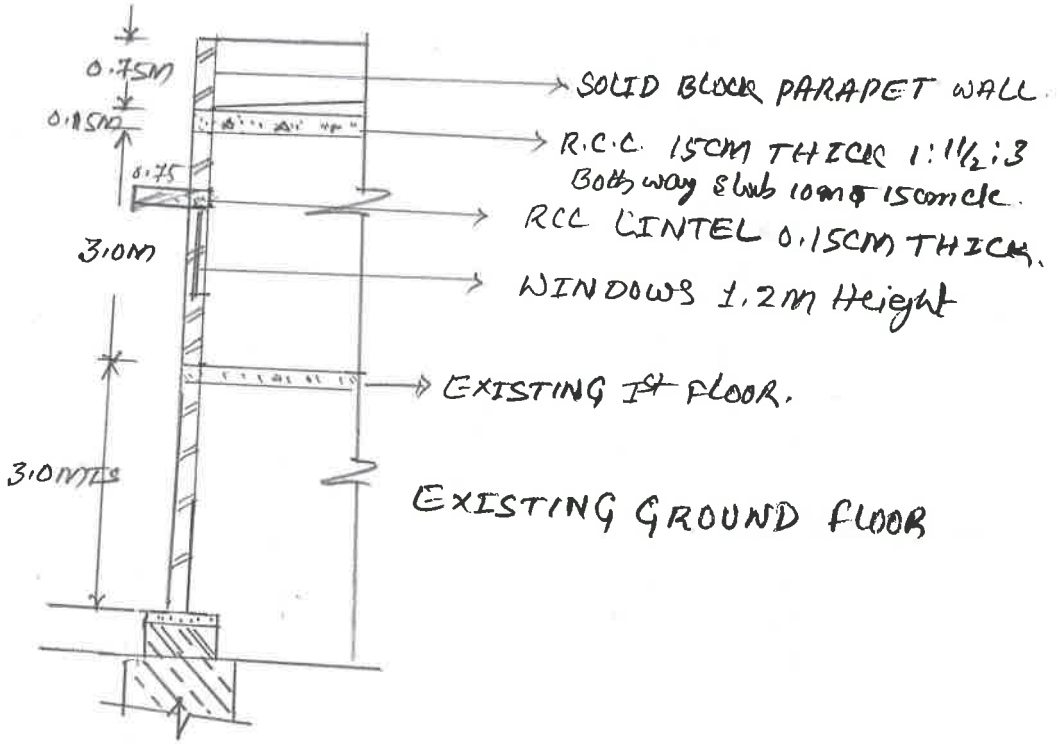



PROPOSED FF ELEVATION

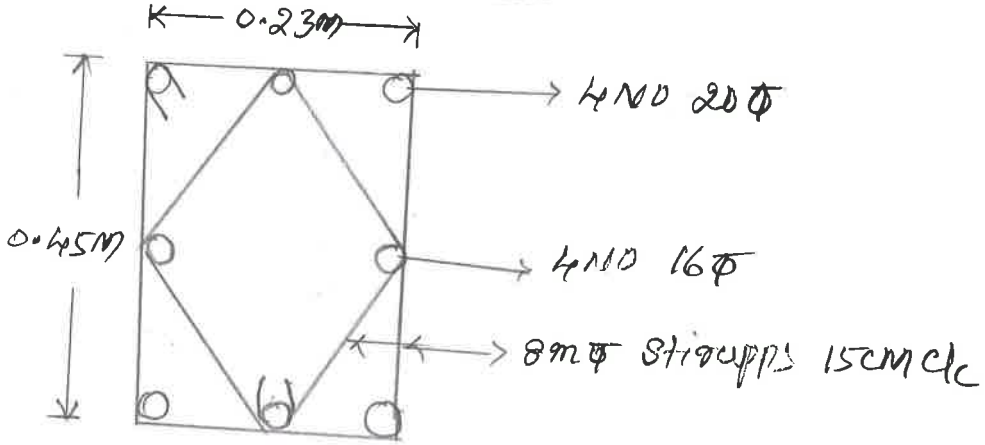
EXISTING BUILDING

ELEVATIONS

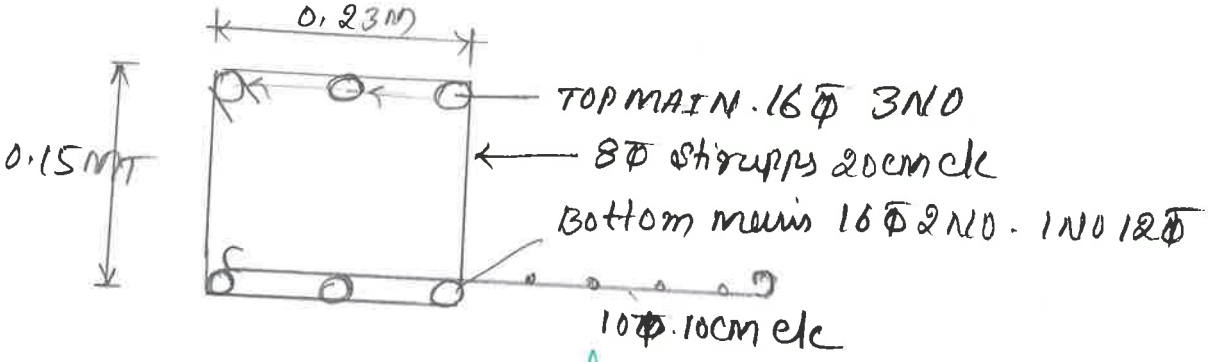
## CROSS-SECTIONAL DETAILS



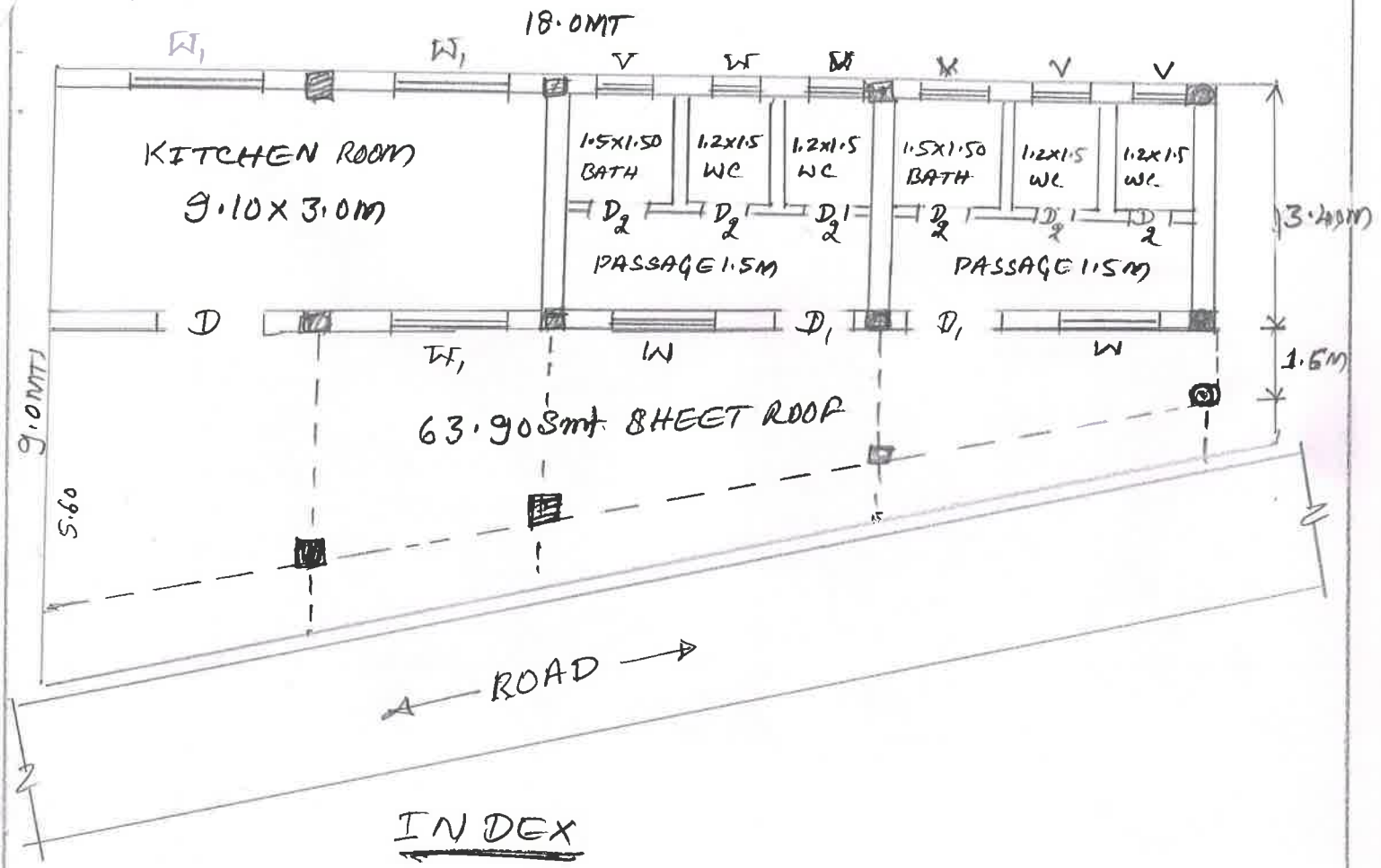

## R.C.C COLUMN DETAILS




## LINTEL BEAM DETAILS



# TOILET BLOCK PLAN. GROUND FLOOR




## INDEX

NO OF Columns: 12NO . 0.23X0.23M SIZE

D.= DOOR- 1NO . 1.20X2.20M – Steel

$D_1$ - DOOR - 2NO - 1.0 X 2.20 M - Steel

$D_2$ - DOOR - 6 NO - 0.75 X 2.20M PLASTIC

$W_1$ - WINDOWS - 3NO - 1.50M X 1.20M Steel + Glass

W - WINDOWS - 2NO - 1.0MX 1.20M - Steel + Glass

V - Ventilator - 6NO - 0.75X0.60M Steel